

Amendments to the Specification

Please replace paragraph [0015] with the following replacement paragraph:

[0015] A method for producing a part with very great mechanical properties is known from U.S. Pat. No. 6,564,504 6,564,604 B2, wherein the part is to be produced by punching a strip made of rolled sheet steel, and wherein a hot-rolled and coated material in particular is coated with a metal or a metal-alloy, which is intended to protect the surface of the steel, wherein the sheet steel is cut and a sheet steel preform is obtained, the sheet steel preform is cold- or hot-shaped and is either cooled and hardened after hot-shaping or, after cold-shaping is heated and thereafter cooled. An intermetallic alloy is to be applied to the surface prior to or following shaping and offers protection against corrosion and steel decarbonization, wherein this intermetallic mixture is also said to have a lubricating function. Subsequently, excess material is removed from the shaped part. The coating is said to be based in general on zinc or zinc and aluminum. It is possible here to use steel which is electrolytically zinc-coated on both sides, wherein austenizing should take place at 950° C. This electrolytically zinc-coated layer is completely converted into an iron-zinc alloy in the course of austenization. It is stated that during shaping and while being held for cooling, the coating does not hinder the outflow of heat through the tool, and even improves the outflow of heat. Furthermore, this publication proposes as an alternative to an electrolytically zinc-coated tape to employ a coating of 45% to 50% zinc and the remainder aluminum. The disadvantage of the mentioned method in both its embodiments is that a cathodic corrosion protection practically no longer exists. Moreover, such a layer is so brittle that cracks occur in the course of shaping. A coating with a mixture of 45 to 50% zinc and 55 to 45% aluminum also does not provide a corrosion protection worth mentioning. Although it is claimed in this publication that the use of zinc or zinc alloys as a coating would provide a galvanic protection even for the edges, it is not possible in actuality to achieve this. In actuality it is not even possible to provide a sufficient galvanic protection for the surface by means of the described coatings.